

Web-based English to Sinhala Selected Texts Translation system

B. Hettige¹, A. S. Karunananda²

¹Department of Statistics and Computer Science, Faculty of Applied Science,
University of Sri Jayewardenepura, Sri Lanka.

²Faculty of Information Technology, University of Moratuwa, Sri Lanka.
budditha@yahoo.com¹, asoka@itfac.mrt.ac.lk²

Abstract – This paper presents English to Sinhala Machine Translation system that can translate selected English text into Sinhala through the web. This Translation system contains two modules, namely; web-based machine translation system and java based user interface. Core of the translation system runs on a web server and can be accessed by user interface. The core of the translation system contains seven modules, namely, English Morphological analyzer, English Parser, Translator, Sinhala Morphological generator, Sinhala parser, Transliteration module and three Lexicon Databases. Java based user interface provides a mechanism for on-demand translation of selected texts from an English document. This enables users to get translated a selected set of English sentences while reading a document.